CLAIMS

1. An elongated structure for the transmission of fluid-based compositions at non-ambient temperatures comprising:

a first conduit for the transmission of a fluid-based composition;

at least one flexible elongated temperature control conduit for the transmission of a temperature control fluid, said temperature control conduit having a relatively rigid elongated reinforcement member; and

an elongated cover holding said temperature control conduit in thermal communication with said first conduit

2. The structure of claim 1 wherein said elongated cover comprises a fluid-tight outer conduit enclosing said temperature control conduit and said first conduit.

3. The structure of claim 2 wherein said outer conduit comprises a flexible homogenous material.

4. The structure of claim 2 wherein said outer conduit contains no integral structural reinforcement.

5. The structure of claim 2 wherein said outer conduit includes no superficial structural reinforcement.

6. The structure of claim 1 wherein said reinforcement member extends radially with respect to said first conduit.

7. The structure of claim 6 wherein said temperature control conduit has a pair of generally opposing walls, a first wall radially outward relative to said first conduit and a second wall radially inward relative to said first conduit, said reinforcement member disposed on said first wall.

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8. The structure of claim 6 wherein said temperature control conduit has a pair of generally opposing walls, a first wall radially outward relative to said first conduit and a second wall radially inward relative to said first conduit, said reinforcement member disposed on said second wall.

9. The structure of claim 6 wherein said reinforcement member includes an elongated generally planer reinforcement tab.

10. The structure of claim 9 wherein said reinforcement member comprises a radially extending body and said reinforcement tab extends circumferentially of said body.

11. The structure of claim 1 further comprising a sensor within said cover for detecting the pressure of said temperature control fluid outside of said temperature control conduit.

12. The structure of claim 1 including a pair of temperature control conduits held on generally opposing sides of said first conduit.

13. The structure of claim 1 wherein said temperature control conduit is inflatable by the introduction of said temperature control fluid.

14. The structure of claim 1 wherein said reinforcing member is disposed within the interior of said temperature control conduit.

15. The structure of claim 1 wherein said temperature control conduit has a pair of generally opposing walls, an arcuate first wall radially outward relative to said first conduit and a second wall radially inward relative to said first conduit.

16. The structure of claim 1 wherein said temperature control conduit has a pair of generally opposing walls, a first wall radially outward relative to said first conduit and an arcuate second wall radially inward relative to said first conduit.

17. An elongated conduit for the transmission of temperature control fluids, comprising:

a flexible fluid-tight wall; and

an axially and radially inwardly extending rib, said rib being more rigid than said wall.

18. The conduit of claim 17 wherein said rib includes an elongated generally planer reinforcement tab.

19. The conduit of claim 18 wherein said rib includes an elongated generally planer reinforcement tab.

20. The conduit of claim 17 wherein said conduit is inflatable by the introduction of a temperature control fluid.

21. The structure of claim 17 wherein said conduit has a pair of generally opposing walls, an arcuate inwardly curving first wall and a second wall.

22. The structure of claim 17 wherein said conduit has a pair of generally opposing walls, a first wall and an arcuate outwardly curving second wall.

23. An assembly for providing temperature control for a fluid within a subject conduit, said assembly comprising:

an elongated flexible cover,

at least one temperature control conduit having a relatively rigid inner rib extending along substantially the length of said temperature control conduit, said temperature control conduit disposed within said cover; and

a fastener to hold said cover around said subject conduit such that said temperature control conduit is in thermal communication with said subject conduit.

24. The assembly of claim 23 wherein said cover further comprises at least one pocket for holding said temperature control conduit.

25. The assembly of claim 23 wherein said cover conduit comprises a flexible homogenous material.

26. The assembly of claim 23 wherein said cover contains no integral structural reinforcement.

27. The assembly of claim 23 wherein said rib includes an elongated generally planer reinforcement tab.

28. The assembly of claim 27 wherein said rib comprises a radially extending body and said reinforcement tab extends circumferentially of said body.

29. The assembly of claim 23 further comprising a sensor within said cover for detecting the pressure of said temperature control fluid outside of said temperature control conduit.

30. The assembly of claim 23 including a pair of temperature control conduits held on generally opposing sides of said first conduit.

31. The assembly of claim 23 where said temperature control conduit is inflatable by the introduction of said temperature control fluid.

32. The assembly of claim 23 wherein said temperature control conduit has a pair of generally opposing walls, and arcuate inwardly curving first wall and a second wall.

33. The assembly of claim 23 wherein said temperature control conduit has a pair of generally opposing walls, a first wall and an arcuate outwardly curving second wall.